



TRAUMA MODULE

Improving Trauma Case Data Collection WITH MOBILE TELEMEDICINE

THE CHALLENGE

Healthcare officials have been focusing on Trauma for many years now and it may feel like it's already under control. According to CHI Health, someone in our nation dies from trauma every 4 seconds. How can we improve these outcomes? Welcome to trauma with mobile telemedicine. With mobile telemedicine, we now have the chance to reinvent the way we handle trauma cases. Trauma centers are tasked with the responsibility of reporting all collected data to National Trauma Registries, but many fail to do so because of the complexity of gathering accurate data and lack of time or staff for the hospitals to update the registry.

Through the use of a specialized digital mobile telemedicine app, EMS and trauma teams are uniquely positioned to improve the saving of lives through timely intervention with engaging hospital and trauma team staff via app features to initiate broader acute care workflow improvements. Multi-faceted alerts including data collection and vitals shared real-time with ETA tracking to providers, speeds treatment and engagement to improve patient outcomes while adding short and long-term educational value. A vital part of trauma cases is making sure to keep track of the collected data and patient data while sharing it with trauma teams and registries. Keeping track of this data requires consistency that can be hard to achieve without set protocols or automation tools. To achieve this consistency Emergency Medical Services (EMS), Hospital staff and Trauma teams must work together to live in a cohesive and comprehensive system.

The Solution

The Trauma case workflow process below utilizes GD's e-Bridge WorkFLOW™ Mobile Telemedicine app. The solution provides an easy to use, state or region wide mechanism to alert, notify and track all trauma cases in real-time from prehospital first medical contact, through hospital emergency department, handoff to trauma teams and trauma registries. This will help the trauma team be better prepared for inbound patients while lessening the handoff time and increasing data accuracy.

Note that all GD e-Bridge WorkFLOW™ templates are highly configurable, allowing flexibility to operate protocols your way, ensuring maximum effectiveness and compliance to your teams and trauma accreditations.



Expected Results:

- Consistent registry entries
- Feedback and benchmarking
- Communication with EMS on outcome data
- Process improvement for trauma patient intervention and flow
- EMS transfer and follow up performed easier
- Consistency in working protocols
- Continued education and training for trauma teams
- EMS officials based on trend report and time studies

Trauma Events to Monitor + Capture

- Airway intervention
- GCS Assessments
- Mechanism of injury
- Vitals and ECG sharing
- Photo/video documentation of scene, MOI
- Extremity and environment events
- Transfer notes/approvals
- Level I, II or III activations
- Physiological Criteria
- Anatomical Criteria
- Surgeon or physician request
- Other considerations or requests